UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 15436.103.1

Total Pages in this Submission

PTO

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

invention entitled:

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an PLUG-IN MODULE FOR PROVIDING BI-DIRECTIONAL DATA TRANSMISSION and invented by: Yonglin Huang Qi Deng Robert Huang Liren Du Stephen Wang This application is a continuation-in-part application of United States Patent Application Serial No. __ _, which was filed on July 10, 2003 and entitled "Single-Fiber Bi-Directional Transceiver", which claims priority to and the benefit of U.S. Provisional Patent Applications No. 60/394,774, filed July 10, 2002 and entitled "Single-Fiber Bi-Directional Transceiver"; No. 60/397,969, filed July 23, 2002, entitled "Plug-in Module Having a Receptacle for Receiving Bi-Directional Data Transmission"; No. 60/397,971, filed July 23, 2002, entitled Plug-in Module Having a Receptacle for Receiving Bi-Directional Data Transmission"; No. 60/397,967, filed July 23, 2002, entitled, "Optical Circulator Using a Prism for Bi-Directional Communication"; No. 60/398,056, filed July 23, 2002, entitled, "Low Cost Optical Circulator for Bi-Directional Communication"; No. 60/397,851, filed July 23, 2002, entitled, "Optical Circulator with Dual. Receive Path for Bi-Directional Communication"; No. 60/397,728, filed July 23, 2002, entitled, "Optical Circulator with Dual Receive Path and Quarter Wave-Plate for Bi-Directional Communication"; No. 60/397,970, filed July 23, 2002, entitled, "Optical Circulator with Adjacent Transmit and Receive Ports for Bi-Directional Communication"; No. 60/397,852, filed July 23, 2002, entitled, "Optical Circulator with Beam Displacer for Bi-Directional Communication"; No. 60/397,963, filed July 23, 2002, entitled, "Optical Circulator with Dual Beam Displacers for Bi-Directional Communication"; and No. 60/395,413, filed July 13, 2002, entitled "Optical Pump Module". Enclosed are: **Application Elements** Filing fee as calculated and transmitted as described below pages and including the following: 48 Specification having Descriptive Title of the Invention a. 🛛 Cross References to Related Applications (if applicable) Statement Regarding Federally-sponsored Research/Development (if applicable) c. 🗌 Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix d. 🗆 Background of the Invention e. 🛛 Brief Summary of the Invention f. 🔯 Brief Description of the Drawings (if filed) M h. 🔯 **Detailed Description** Claim(s) as Classified Below Abstract of the Disclosure j. 🛛

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Application Elements (Continued)

3.	X	Dra	wing(s) <i>(wl</i>	hen neces	sary as pres	cribed by 3	5 USC	113)	
	a.	X	Formal		Number of	Sheets		11	<u> </u>
	b.		Informal		Number of	Sheets			
4.		Oat	n or Declar	ration					
	a.		Newly exe	ecuted (or	iginal or cop	<i>y)</i>	Unex	ecuted	
	b.		Copy from	n a prior a	pplication (3	7 CFR 1.63	(d)) (for	continuation/d	ivisional application only)
	c.		With Pow	er of Atto	ney 🗆	Without Po	ower of	Attorney	
	d.		Signed st	atement a	<u>(ENTOR(S)</u> attached dele (d)(2) and 1.5		r(s) nar	med in the prid	or application,
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6.		CD	ROM or C	D-R in du	olicate, large	table or Co	mputer	Program (App	pendix)
7.		App	lication Da	ta Sheet (See 37 CFR	1.76)			
8.		Nuc	leotide and	d/or Amino	Acid Seque	nce Submis	ssion <i>(ii</i>	f applicable, a	ll must be included)
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9.		Ass	ignment Pa	apers (co	ver sheet & a	locument(s))		
10.		37	CFR 3.73(E	3) Stateme	ent <i>(when the</i>	ere is an as:	signee)		
11.		Eng	lish Transl	lation Doc	ument <i>(if app</i>	olicable)			
12.		Info	rmation Di	sclosure S	Statement/PT	O-1449		copies of IDS (Citations
13.		Pre	iminary An	nendment					
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15.		Cer	tified Copy	of Priority	Document(s	s) (if foreign	priority	is claimed)	·
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Accompanying Application Parts (Continued) 17. Additional Enclosures (please identify below): Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2) 18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application. Warning An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

		CLAIMS	AS FILED						
For	#Filed	#Allowed	#Extra		Rate	Fee			
Total Claims	21	- 20 =	1	×	\$18.00	\$18.00			
Indep. Claims	3	- 3 =	0	x	\$84.00	\$0.00			
Multipl D pendent Claims (check if applicable) \$0.00									
BASIC FEE \$750.00									
OTHER FEE (specify purpose) \$0.00									
					TOTAL FILING FEE	\$0.00			
□ A check in the amount of to cover the filing fee is enclosed. □ The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below. □ Charge the amount of as filing fee.									
_			as filing fee.						
Credit any overpayment.									
_	Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.								
Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Signature									
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Dated: July 21, 2003 Registration No. 45,666									
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PATENT TRADEMARK OFFICE

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CERTIFICATE OF MApplicant(s): Yonglin Hus	IAILING BY "EXPRESS N ang et al.	MAIL" (37 CFR 1.10)	15436.103.1					
Serial No.	Filing Date	Examiner	Group Art Unit					
Unassigned	07/21/2003	Unassigned	Unassigned					
nvention: PLUG-IN MO	DULE FOR PROVIDING BI-DI	IRECTIONAL DATA TRANSMI	SSION					
I hereby certify that the	following correspondence:	and the state of t						
Transmittal Letter (4 pg	s, in triplicate); United States Pa	tent Application (48 pgs); Formal	Drawings (11 sheets); and					
	ailing Label No. EV 302 232 204							
	(Identify type o	of correspondence)						
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37								
	CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on							
·	July 21, 2003							
	(Date)	•						
		Kelli Clark						
		(Typed or Printed Name of Person Mai	ling Correspondence)					
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